

Assumes 1 year shut-down of the R. Paul Smith EGU

Conversion factor from NO₂ to N = 0.30435

Assume the units of the transfer function are kg-N to English Tons N Emissions

R. Paul Smith 1 year shut-down Reduction Estimate Deposited on Watershed

Total NO_x "as NO₂" = 167.211 tons/yr net **emission**

Total NO_x as N = 50.89030 tons/yr net **emission decrease**

Decrease of N **deposition on CB Watershed =**

8,407 kg/yr net **deposition decrease**

18,533 lb/yr net **deposition decrease**

R. Paul Smith Shut-Down Reduction Estimate Delivered to Bay

Watershed average = 0.07124

18,533 lb/yr net **deposition decrease** time watershed average N attenuation = $0.07124 * 18,533 \text{ lb/yr} =$

R.Paul Smith Shut-Down Reduction Estimate to Tidal Bay

Total NOx as N = 50.8903 tons/yr net **emission** decrease

Decrease of N **deposition** on Tidal Bay =

628 kg/yr net **deposition** decrease

1,384 lb/yr net **deposition** decrease

TOTAL ESTIMATED DELIVERED N LOAD TO CB DUE TO 1 year Shut-Down of R. Paul Smith REDUCTION

1,320 lbs/yr decreased N load to the Bay from CB Watershed

1,384 lb/yr net **deposition** decrease to tidal Bay

2,705 lbs/yr decreased N load to the Bay from CB Watershed and Tidal Bay

sion decrease

1,320 lbs/yr decreased N load to the Bay from CB Watershed

State	Facility Name	Facility ID (OF Year	NOx (tons)	
MD	AES Warrior Run	10678	2012	580.018
MD	Brandon Shores	602	2012	4139.641
MD	C P Crane	1552	2012	1817.019
MD	Chalk Point	1571	2012	4689.398
MD	Dickerson	1572	2012	1488.249
MD	Gould Street	1553	2012	23.319
MD	Herbert A Wagner	1554	2012	1557.541
MD	Luke Paper Company	50282	2012	2775.008
MD	Morgantown	1573	2012	817.96
MD	Panda Brandywine	54832	2012	83.578
MD	Perryman	1556	2012	61.988
MD	R. Paul Smith Power Station	1570	2012	167.211
MD	Riverside	1559	2012	37.302
MD	Rock Springs Generating Facility	7835	2012	69.614
MD	Severstal Sparrows Point LLC	10485	2012	
MD	Vienna	1564	2012	9.708
MD	Westport	1560	2012	16.849

State	Facility Name	Facility ID (OF Unit ID	Year	Owner
MD	R. Paul Smith Power Station	1570	11	1980
MD	R. Paul Smith Power Station	1570	11	1985
MD	R. Paul Smith Power Station	1570	11	1990
MD	R. Paul Smith Power Station	1570	11	1995
MD	R. Paul Smith Power Station	1570	11	1996 Potomac Edisc
MD	R. Paul Smith Power Station	1570	11	1997 Potomac Edisc
MD	R. Paul Smith Power Station	1570	11	1998 Potomac Edisc
MD	R. Paul Smith Power Station	1570	11	1999 Potomac Edisc
MD	R. Paul Smith Power Station	1570	11	2000 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2001 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2002 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2003 Allegheny Ene
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MD	R. Paul Smith Power Station	1570	11	2005 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2006 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2007 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2008 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2009 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2010 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2011 Allegheny Ene
MD	R. Paul Smith Power Station	1570	11	2012 Allegheny Ene
MD	R. Paul Smith Power Station	1570	9	1980
MD	R. Paul Smith Power Station	1570	9	1985
MD	R. Paul Smith Power Station	1570	9	1990
MD	R. Paul Smith Power Station	1570	9	1995
MD	R. Paul Smith Power Station	1570	9	1996 Potomac Edisc
MD	R. Paul Smith Power Station	1570	9	1997 Potomac Edisc
MD	R. Paul Smith Power Station	1570	9	1998 Potomac Edisc
MD	R. Paul Smith Power Station	1570	9	1999 Potomac Edisc
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MD	R. Paul Smith Power Station	1570	9	2011 Allegheny Ene
MD	R. Paul Smith Power Station	1570	9	2012 Allegheny Ene

[illegible]

any)
Fuel Type (Se

NOx Control(s)

[illegible][illegible]

Capacity Input (MMBtu/hr)

918
918
918
918
918
918
918
918
918
918

397
397
397
397
397
397
397
397
470
470